

SCIENCE

And Technology Program



Theme Area: Facilities and Infrastructure

Program Area: Materials and Geotechnical

Project No.: FI00.05

Project Title: New Applications for Geosynthetics

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Abstract: Geosynthetics are relatively new construction materials and have only been in use in the United States for about 20 years. Laboratory and Field research will be performed to develop design guidelines for engineers using geosynthetics in the following applications: (1) Geotextile cushions beneath flexible geomembrane liners, (2) Geotextile separators beneath large riprap (500 up to 6,000 pounds), and (3) Geotextile filters around toe drains below dams. Partners include Reclamation's Bend Area Office, several geomembrane manufacturers, and the Geosynthetics Research Institute.

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